

# MIDLAND SD-226 POCSAG TRANSMITTER

## SD-226U2

- For use with the WaveWare SPS-5 v8
- 2 or 5 watts Transmit Power, UHF (Optional VHF)
- Up to 16 Channels
- DB 9-Pin Interface Connector
- LED Status Indicator
- RoHS Compliant
- Programmable 12.5 / 25 KHz by Channel
- Transmit Time-Out Timer



### General Specifications

### VHF Model SD-226V

### UHF Model SD-226U2

General Specifications	VHF Model SD-226V	UHF Model SD-226U2
Frequency Range	148 - 174 MHz	400 - 440 MHz* / 440 - 480 MHz
Channels	1 of 16, dip switch selectable	
Channel Spacing (wide/narrow)	30, 25 / 15, 12.5 kHz	25 / 12.5 kHz
PLL Step	5.0, 6.25 kHz	
Channel Spread	26 MHz	40 MHz
Antenna Impedance	50 Ω	
Operating Voltage	9V DC to 18 DC, 12V Nominal	
Frequency Stability	±5.0 PPM	±2.5 PPM
Operating Temperature	-22°F to +140°F (-30°C to +60°C)	
Dimensions (H x W x D)	4-5/8" x 2-7/16" x 1-13/16" (117 x 62 x 30 mm)	
Weight	7.7 oz. (218 gm)	
FCC Identifier	MMASD225V2	MMASD225U2/U1
FCC Compliance	Parts: 22, 74, 90, 210	
Industry Canada Certification Number	3690A-195332	3690A-195333A
Current Consumption	Standby (muted) <65 mA	
	Transmit 5 watts <2.0 A	
	Transmit 1 watts <1.0 A	
	Receiver <80 mA	
TX to RX / RX to TX Attack Time	<15 ms	
RSSI Squelch Attack Time	<5 ms	
Data Rate	9600 Baud Rate with TX Limiter	

### Transmitter Specifications

#### Measurement per ANSI / TIA / EIA-603

### VHF

### UHF

Transmitter Specifications	VHF	UHF
RF Power Output High	5 Watts	
RF Power Output Low	1 Watt	
Spurious and Harmonic Emissions	60 dB	
Modulation	11K0F3E, 16K0F3E, 19K6F3D	
FM Hum and Noise	25 kHz 40 dB/ 12.5 kHz 36 dB	
Modulation Sensitivity	100 mV RMS @ 60% peak dev.	
Frequency Error	±5.0 ppm	±3.0 ppm
Frequency Deviation	25 kHz Peak ±2.5	12.5 kHz Peak ±5.0
Adjacent Channel Power	25 kHz Channel Spacing 70 dB @ nominal condition	
	12.5 kHz Channel Spacing 60 dB @ nominal condition	